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SOURCE Vecherni Novini.

TEST NEW MACHINE TO AERATE OR UNLOAD GRAIN

At the warehouses of the "Zurneni Khrani" (Grain Food) State Combine at Sofia, tests were made yesterday on a machine for moving, aerating, and unloading grain in grain elevators or in freight cars. This machine was invented by Engineers Rangel Y. Kitov, Stefan Topalov, and Angel Balashev of the "Vulko Chervenkov" Machine-Building Plant. To preserve the stored grain in a dry state, it is necessary that it be aerated frequently. Up to now, the aerating has been done mechanically by means of elevators and blowers, as well as manually with shovels.

The new machine replaces all these expensive installations and saves the labor of 14 workers. Serviced by an unskilled worker, the machine can aerate 20 tons of grain in an hour. Its construction is very simple. It is 1.8 meters high, 1.5 meters long, 0.90 meters wide, weighs 180 kilograms, and costs only 140,000 leva. The six small rectangular buckets, each one with a capacity of 400 grams of grain, are rotated by a 2-horsepower electric motor, operating at 200 revolutions per minute. The buckets scoop and eject a stream of grain for a distance of up to 8 meters and a height of up to 5 meters.

The small and easily transportable machine can unload grain from freight cars and fill sacks with the same mechanism.

With the introduction of this machine in the larger grain elevators, the national economy will realize savings of tens of millions of leva.

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